

WHAT IS CLAIMED IS

1. A system for tracking mobile assets in an area defined by multiple sectors, the system comprising:

an asset tag that includes an RFID transponder operable to store an

Identification Data, the Identification Data associated with the RFID transponder and may be correlated with an Asset Identification Data associated with a mobile asset;

a Host System that includes a Correlation Database that correlates the Asset Identification Data and the Identification Data associated with the RFID transponder;

a System Interaction Console in communication with the Host System, the System Interaction Console operable to receive the Asset Identification Data and the Identification Data associated with the RFID transponder, and to communicate the Asset Identification Data and the Identification Data associated with the RFID transponder to the Host System to correlate the Asset Identification Data and the Identification Data associated with the RFID transponder through the correlation database;

a sector Reader Station identified by a Reader Station Identification Data and including an Antenna that is associated with a boundary of a sector of the area, the sector Reader Station operable to receive the Identification Data associated with the RFID transponder using the Antenna and to communicate the Identification Data associated with the RFID transponder to the Host System, wherein the Host System correlates the Identification Data associated with the RFID transponder and the Reader Station Identification Data, which is associated with the Antenna and the boundary of the sector of the area; and

a Display Board in communication with the Host System and operable to display one or more sectors of the area and to display the location of the mobile asset.

2. The system of claim 1, wherein the mobile asset is a human and the Asset tag is attached to the lower extremity of the human.
3. The system of claim 1, wherein the mobile asset is a piece of equipment and the
5 Asset tag is attached to the lower portion of the piece of equipment.
4. The system of claim 3, wherein the lower portion of the piece of equipment is an undercarriage of the piece of equipment.
- 10 5. The system of claim 1, wherein a Reader Station Antenna is across a pathway to create a boundary of a sector within an area.
6. The system of claim 1, wherein the Reader Station Identification Data is a unique value.
15
7. The system of claim 6, wherein the Reader Station Identification Data is determined by a port address.
8. The system of claim 6, wherein the Reader Station Identification Data is
20 determined by a predefined variable stored within the Reader Station.